

**WHAT WE CLAIM IS:**

1. A multi view display comprising:
  - i) a display layer for the display of images;
  - ii) an un-braiding viewing angle manipulation means which manipulates  
5 the viewing angle of the images displayed on said display layer;  
  
such that when at least two images are be interlaced and displayed on said display layer, each constituent image of the interlaced image is presented at the viewing angle as determined by the un-braiding viewing angle manipulation means.
- 10 2. A multi view display comprising an adapted display layer for the display of images wherein said adapted display layer comprises,  
  
at least two different specified viewing angle pixels which are interlaced,  
  
such that when at least two images are interlaced and displayed on said adapted display layer, each constituent image of the interlaced image is  
15 presented to the viewing angle as determined by the viewing angle of the interlaced specified viewing angle pixels.
3. A multi view display as claimed in claim 2 where an un-braiding viewing angle manipulation means is used to act on the adapted display layer(s).
- 20 4. A multi view display as claimed in claim 1 or 3 wherein the un-braiding viewing angle manipulation means is an adapted privacy film.
5. A multi view display as claimed in claim 1 or 3 wherein the un-braiding viewing angle manipulation means is an adapted optical film.
6. A multi view display as claimed in claim 1 or 3 wherein the un-braiding viewing angle manipulation means is an adapted lenticular lens.

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7. A multi view display comprising:

i) at least two display layers for the display of images, said display layers being substantially planar and at least in part overlapping, wherein display layer(s) overlapping another display layer are selectively transparent;

ii) at least one viewing angle manipulation means acting upon at least one of the display layers and thereby manipulating the viewing angle of images displayed on the display layer(s) behind it;

such that images displayed on display layers on which the viewing angle manipulation means acts the image(s) is (are) presented at the viewing angle as determined by the viewing angle manipulation means.

8. A multi view display comprising:

at least two display layers for the display of images, said display layers being substantially planar and at least in part overlapping, wherein display layer(s) overlapping another display layer are selectively transparent;

where in at least one of the display layers is an adapted display layer comprising pixels which are specified viewing angle pixels;

such that images displayed on the at least one adapted display layer have a different viewing angle to the images displayed on the other (non-adapted) display layer(s).

9. A multi view display comprising:

i) at least two display layers for the display of images, said display layers being substantially planar and at least in part overlapping, wherein display layer(s) overlapping another display layer are selectively transparent;

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- ii) an un-braiding viewing angle manipulation means acting upon at least one of the display layers and thereby manipulating the viewing angle of images displayed on the display layer(s) behind it;

such that when at least two images are be interlaced and displayed on a display layer which the un-braiding viewing angle manipulation means is acting upon, each constituent image of the interlaced image displayed on said layer(s) (which the un-braiding viewing angle manipulation means is acting upon) is presented at the viewing angle or viewing angles as determined by the un-braiding viewing angle manipulation means.

10. A multi view display comprising:

at least two display layers for the display of images, said display layers being substantially planar and at least in part overlapping, wherein display layer(s) that are overlapping another display layer are selectively transparent,

wherein at least one of the display layers is an adapted display layer comprising of at least two different specified viewing angle pixels which are interlaced such that when at least two images are interlaced and displayed on said adapted display layer, each constituent image of the interlaced image is presented to the viewing angle as determined by the viewing angle of the interlaced specified viewing angle pixels..

11. A multi view display comprising:

iii) at least two display layers for the display of images, said display layers being substantially planar and at least in part overlapping, wherein display layer(s) that are overlapping another display layer are selectively transparent,

iv) a viewing angle manipulation means acting upon at least one display,

such that images displayed upon display layers that the viewing angle manipulation means is acting on are presented to the viewing angle determined by the viewing angle manipulation means.

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12. A multi view display as claimed in claim 8 or 9 where at least one un-braiding viewing angle manipulation means is used additionally.
13. A multi view display as claimed in claim 7 or 10 wherein at least one of the at least one un-braiding viewing angle manipulation means is an adapted privacy film.
14. A multi view display as claimed in claim 7, 10 or 11 wherein at least one of the at least one un-braiding viewing angle manipulation means is an adapted optical film.
15. A multi view display as claimed in claim 7, 10, 11 or 12 wherein the un-braiding viewing angle manipulation means is an adapted lenticular lens.
16. A multi view display as claimed in claim 7, 10, 11, 12 or 13 wherein the viewing angle manipulation means acting upon any display layer other than the front display layer is wide angle viewing diffuser.
17. An in-car utilising any of the multi view displays claimed in claims 1 to 14.
18. A method of operating a multi view display said multi view display having at least two viewing angles characterised by the steps of displaying each images intended for each viewing to the display layer which presents that image to the intended viewing angle.
19. Display software adapted to facilitate the display of images using multi view display said multi view display having at least two viewing angles said display software being adapted to execute the steps of transmitting each images intended for each viewing to the display layer which presents that image to the intended viewing angle:
20. A method of operating a multi view display said multi view display comprising at least two multi layered display layers characterised by the steps of:

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iii) displaying interlaced images on display layers on which an un-braiding viewing angle manipulation means acts

iv) displaying non-interlaced images on any display layers (if any) on which no un-braiding viewing angle manipulation means acts.

5      21. Display software adapted to facilitate the display of images using a multi view display said multi view display comprising at least two multi layered display layers, said display software being adapted to execute the steps of:

10      iii) transmitting interlaced images to display layer(s), said display layer(s) having an un-braiding viewing angle manipulation means acting upon it (them), said interlaced image being acted upon by said un-braiding viewing angle manipulation means to present the constituent images of the interlaced image to differing viewing angles, and

15      iv) transmitting (non-interlaced) image data to display layers (if any) on which no unbraiding viewing angle manipulation means acts said image data being used by said display components to display a images to the viewing angle inherent to said display layer.

22. A multi view display substantially as herein described with reference to and as illustrated by the accompanying drawings and/or examples.

20      23. A method of manufacturing a multi view display substantially as herein described with reference to and as illustrated by the accompanying drawings and/or examples.

24. Display software substantially as herein described above with reference to and as illustrated by the accompanying examples.

25      25. A method of operating a multi view display substantially as herein described with reference to and as illustrated by the accompanying drawings and/or examples.

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